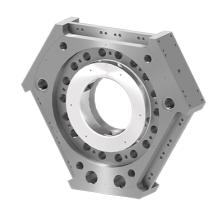
ROBOT TOOL CHANGERS | | SIGMA 8.1





B Feature

| | Master Adaptor | Tool Adaptor |
|----------------------|----------------|---------------|
| Reference | S8.1R-XXX | S8.1T-XXX |
| Payload | 800 kg | |
| Moment - Mx, My | 7796 Nm | |
| Moment - Mz | 7796 Nm | |
| Size | 60x310x358 mm | 60x310x358 mm |
| Weight | 21.180 kg | 11.840 kg |
| Couple/uncouple port | 1/4" BSPP | n/a |
| Repeatability - Z | 0.013 mm | |

Operating conditions

| Operating temperature | 5-60°C |
|-------------------------|----------|
| Operating pressure | 6 bar ±1 |
| User pneumatic pressure | 6 bar ±1 |

SIGMA THE FOOLPROOF TOOL CHANGER RANGE

Heavy Payload Tool Changers are gathered within Sigma Series. They allow handling payloads from 350kg till 800kg and are particularly suited for various applications such as spot welding, material handling, machine loading/unloading, mold changing, docking systems, pallet coupling systems, pick and place operations, press transfer.

Sigma Series tool changers have a modular design allowing them to suit any kind of application. Indeed, our range of standard module coupled with our custom modules offer increase the Sigma tool changers capabilities enabling them to meet many different needs.

Sigma 8.1 tool changers have a unique six-sided design allowing to accommodate more utilities. The wide range of supported communication systems and their ability to connect directly to your robot face plate, elminitaing adaptor plate make them a easy-to-integrate solution while meeting the most complex applicative needs.

Advantages

Benefits

Unique wear-compensating, fail-safe cam latching mechanism

Emergency manual unlock feature

Higher payload capacity - up to 800 kg

Unique six-sided design accommodates more

A Sigma 3.1 and Sigma 5.1 common profile provides modularity and allows for interchangeability of utility modules

Eliminates adaptor plates for lower weights, and increased strength and efficiency

Low profile reduces inertial forces

Supports wide variety of servo tools and bus communications

